◆ Partners, suppliers, customers

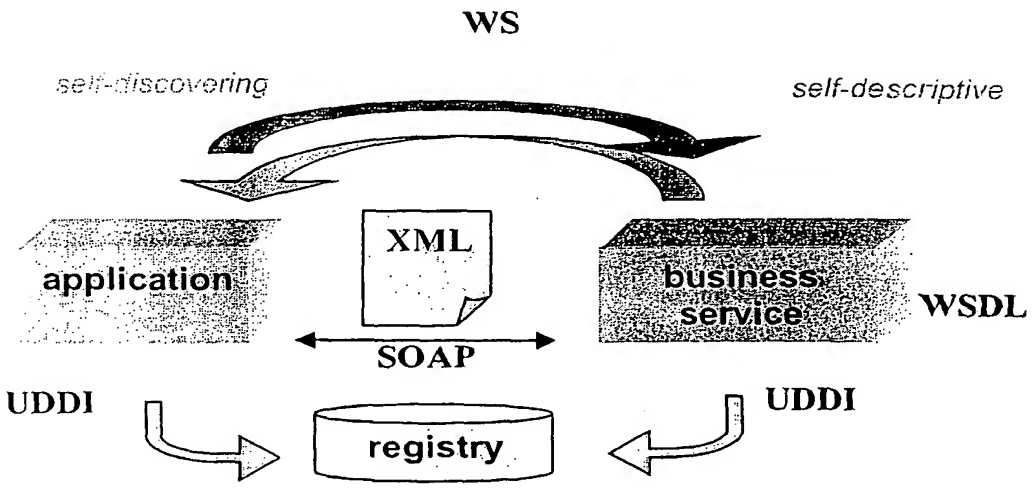


Figure 1a – Web Services
Related Art

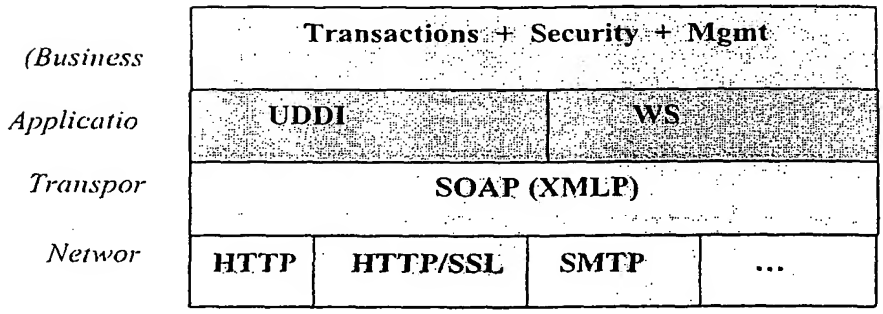


Figure 1b – WS Protocol Stack
Related Art

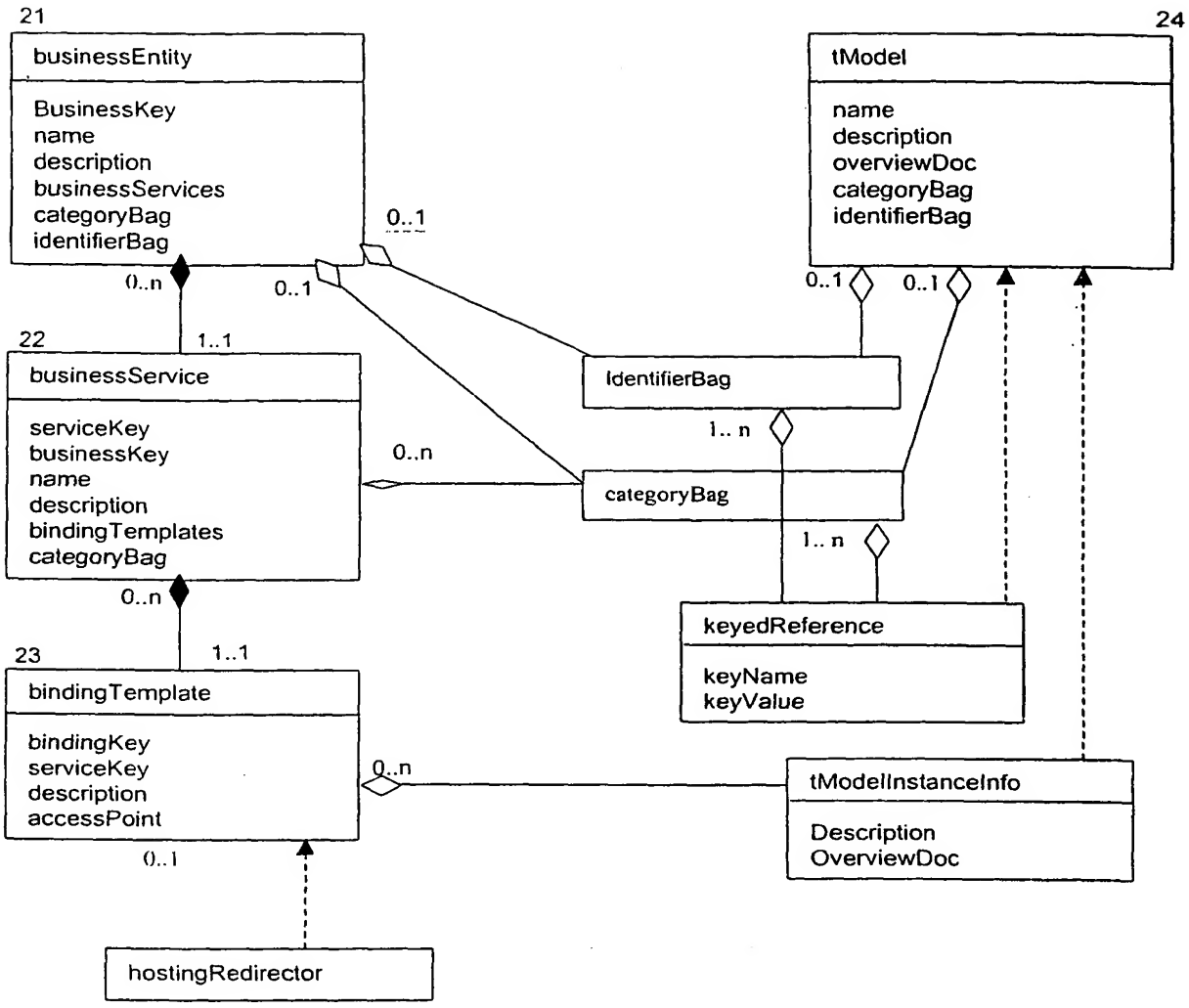


Figure 2
Related Art

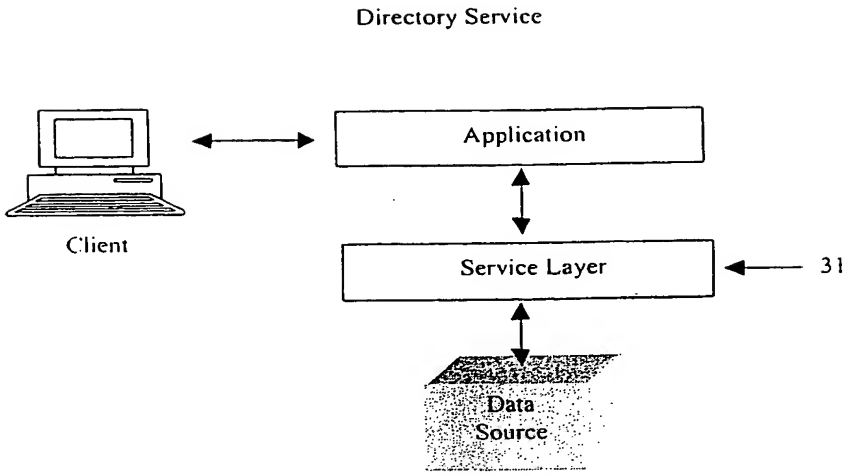


Figure 3 (Related Art)

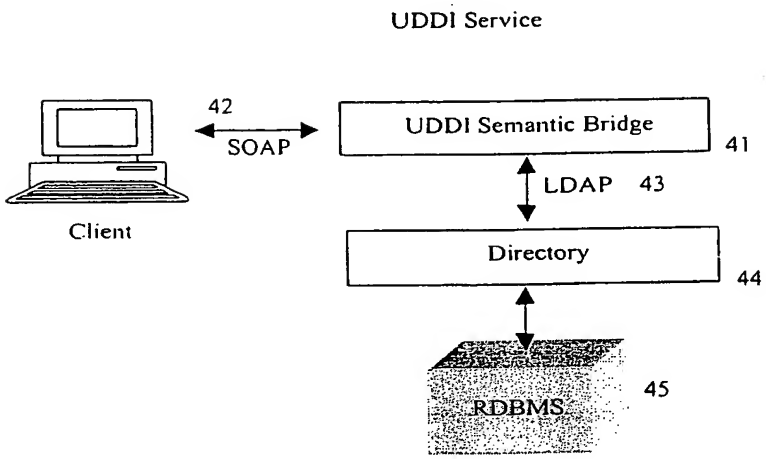


Figure 4

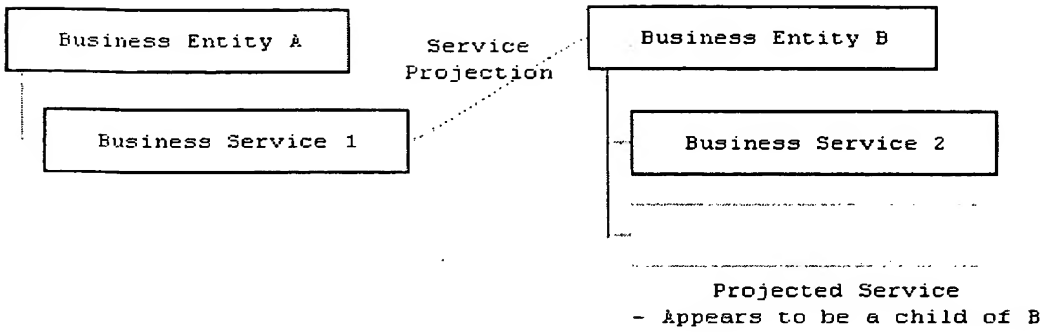

Business Entity A
Service
Projection
Business Entity B
Business Service 1
Business Service 2
Projected Service
- Appears to be a child of B

Figure 5

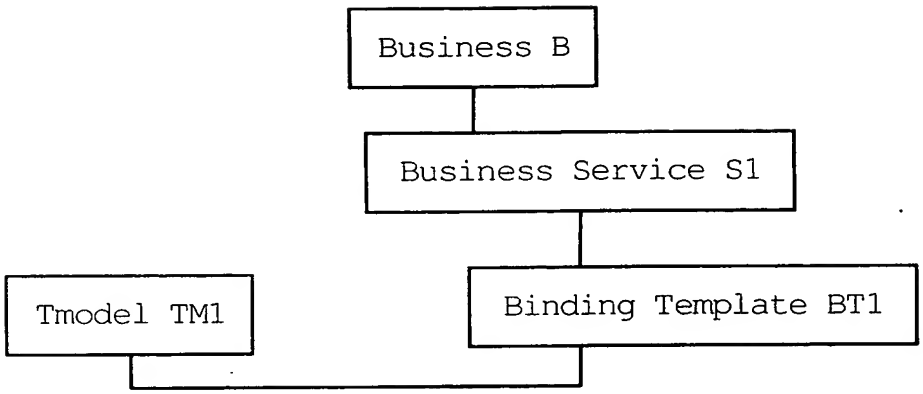


Figure 6 – Binding Template/Tmodel relationship

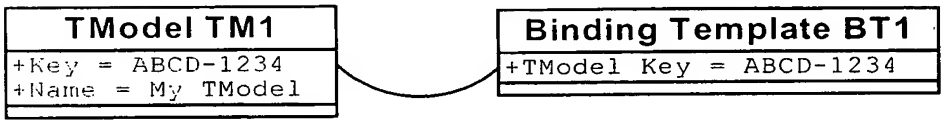


Figure 7 – Primary & Foreign Keys

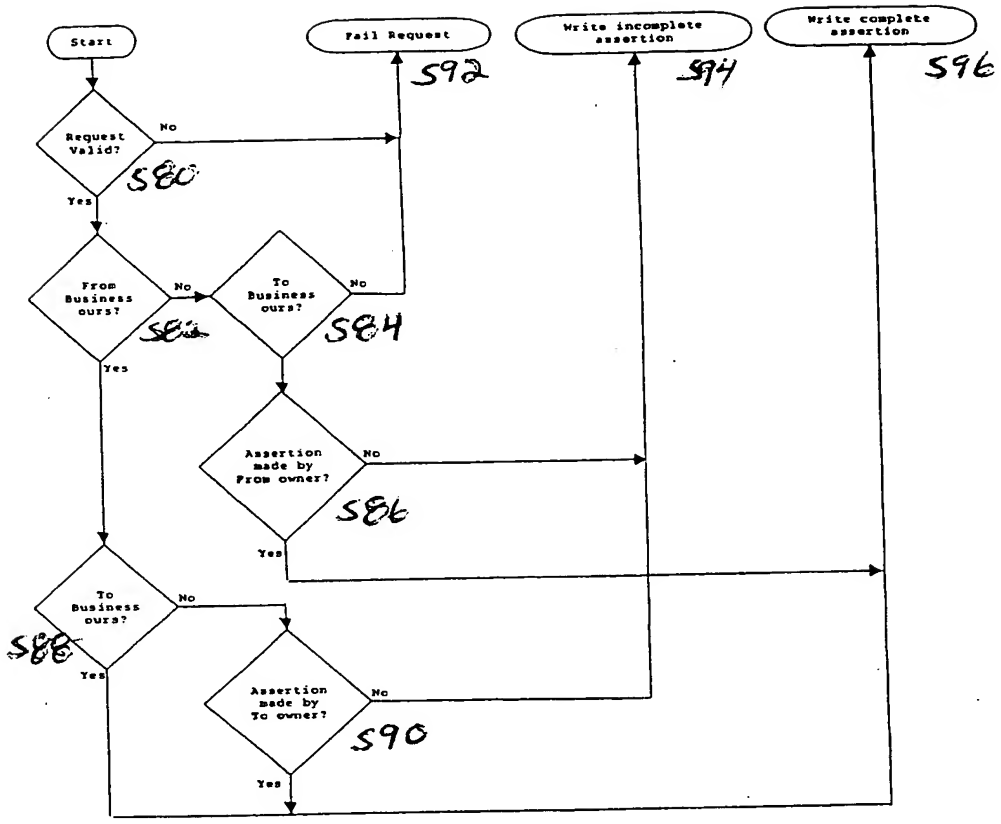

Start
Fail Request
Write incomplete assertion
Write complete assertion
S92
S94
S96
Request Valid?
No
S80
Yes
From Business ours?
No
S82
To Business ours?
No
S84
Yes
Assertion made by From owner?
No
S86
Yes
To Business ours?
No
S88
Yes
Assertion made by To owner?
No
S90
Yes

Figure 8

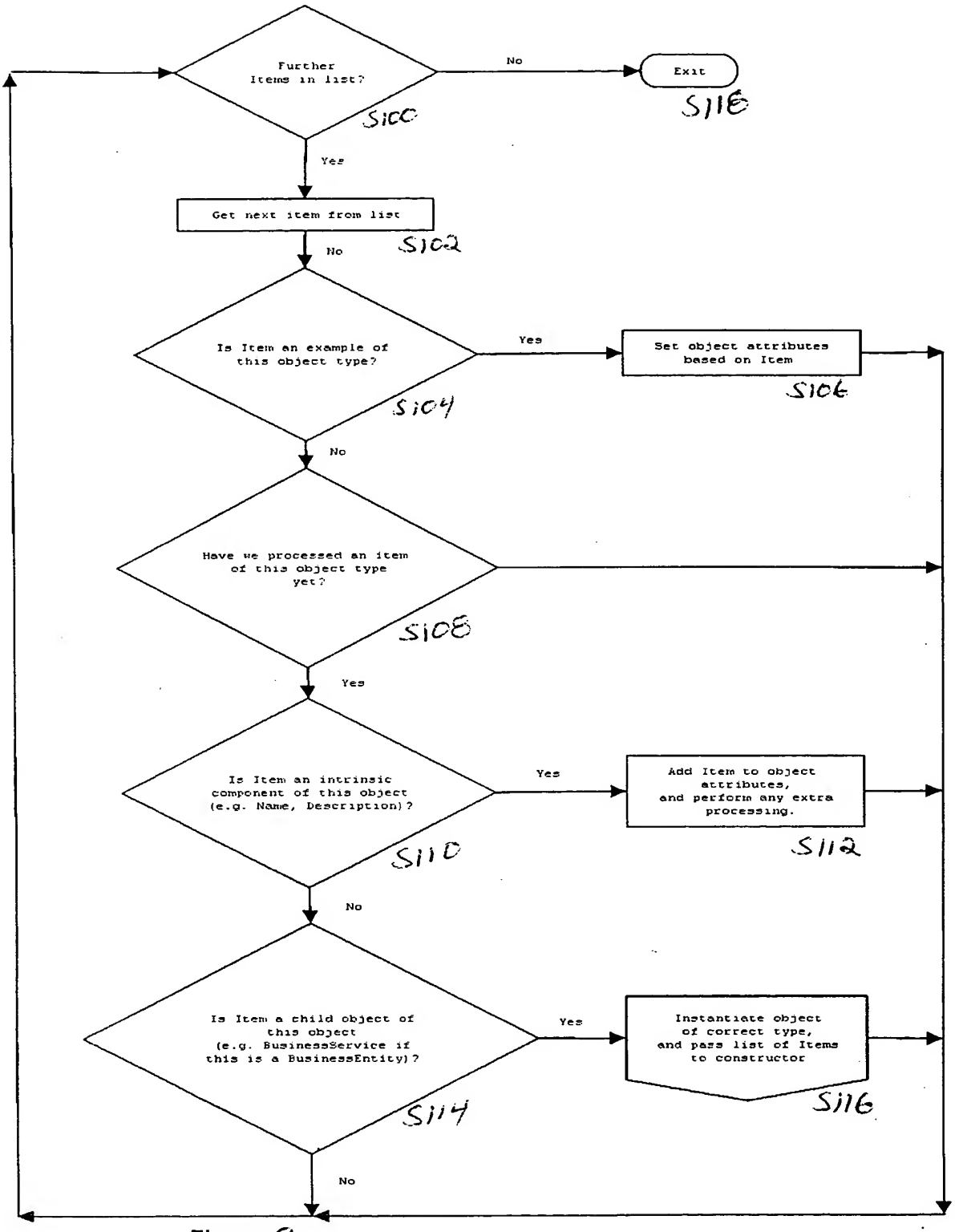

Further Items in list?
No
Exit
S116
S100
Yes
Get next item from list
S102
No
Is Item an example of this object type?
Yes
Set object attributes based on Item
S106
S104
No
Have we processed an item of this object type yet?
S108
Yes
Is Item an intrinsic component of this object (e.g. Name, Description)?
Yes
Add Item to object attributes, and perform any extra processing.
S112
S110
No
Is Item a child object of this object (e.g. BusinessService if this is a BusinessEntity)?
Yes
Instantiate object of correct type, and pass list of Items to constructor
S116
S114
No

Figure 9

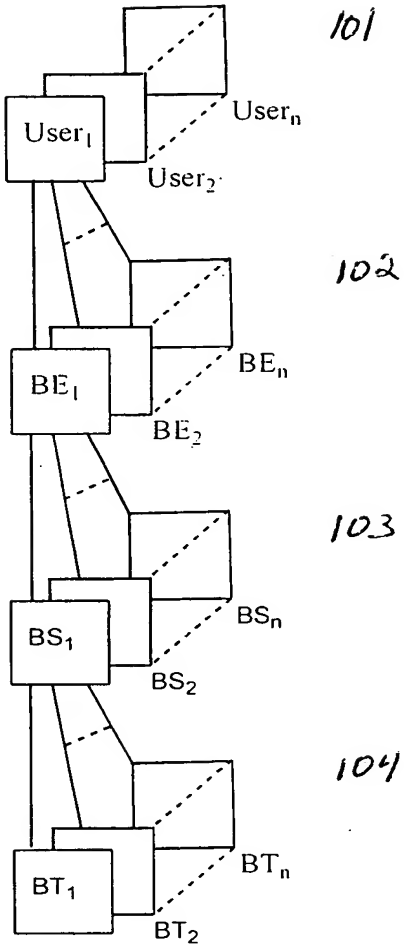

101
User$_n$
User$_1$
User$_2$
102
BE$_n$
BE$_1$
BE$_2$
103
BS$_n$
BS$_1$
BS$_2$
104
BT$_n$
BT$_1$
BT$_2$

Figure 10

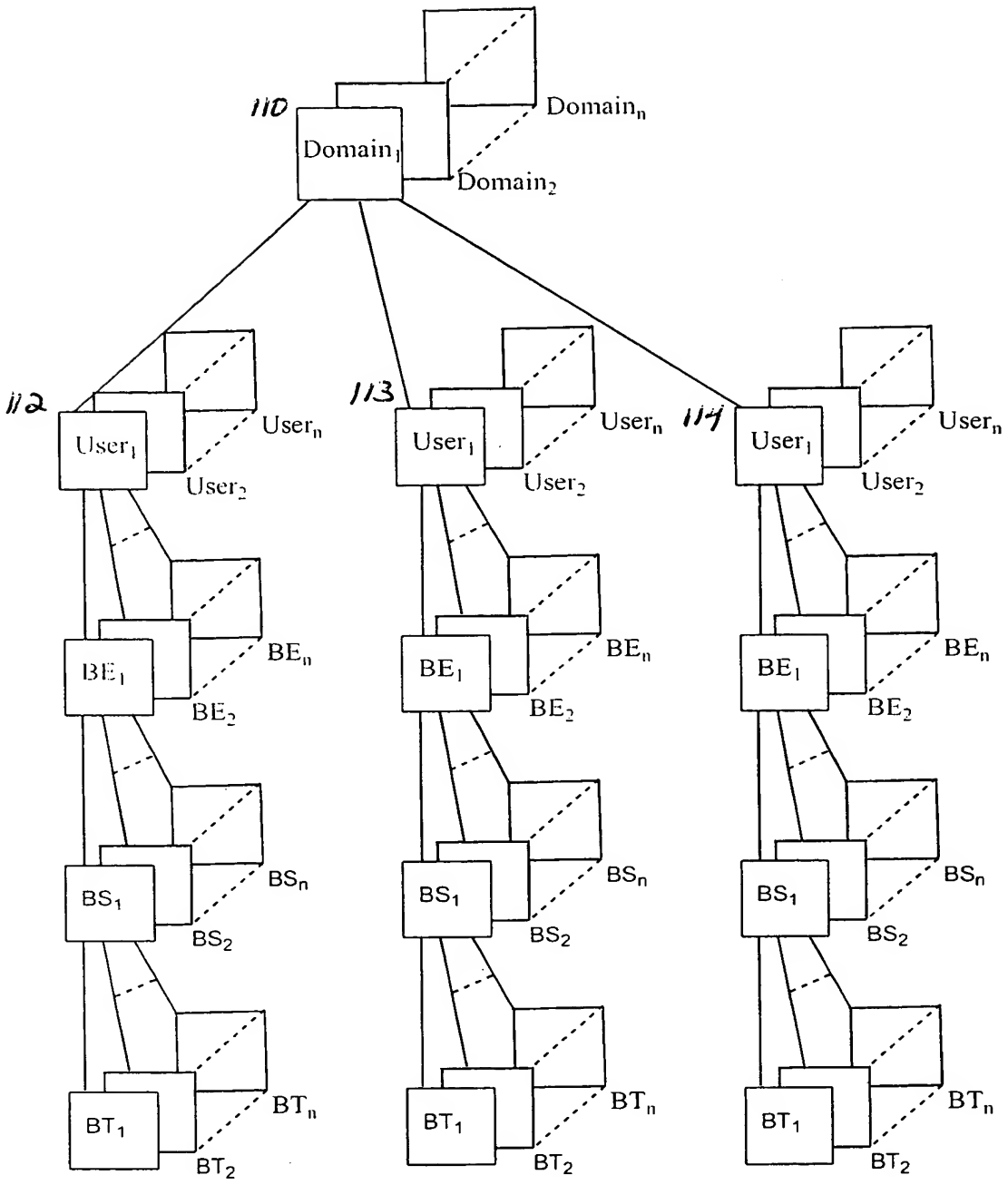

110
Domain$_1$
Domain$_2$
Domain$_n$
112
User$_1$
User$_2$
User$_n$
BE$_1$
BE$_2$
BE$_n$
BS$_1$
BS$_2$
BS$_n$
BT$_1$
BT$_2$
BT$_n$
113
User$_1$
User$_2$
User$_n$
BE$_1$
BE$_2$
BE$_n$
BS$_1$
BS$_2$
BS$_n$
BT$_1$
BT$_2$
BT$_n$
114
User$_1$
User$_2$
User$_n$
BE$_1$
BE$_2$
BE$_n$
BS$_1$
BS$_2$
BS$_n$
BT$_1$
BT$_2$
BT$_n$

Figure 11

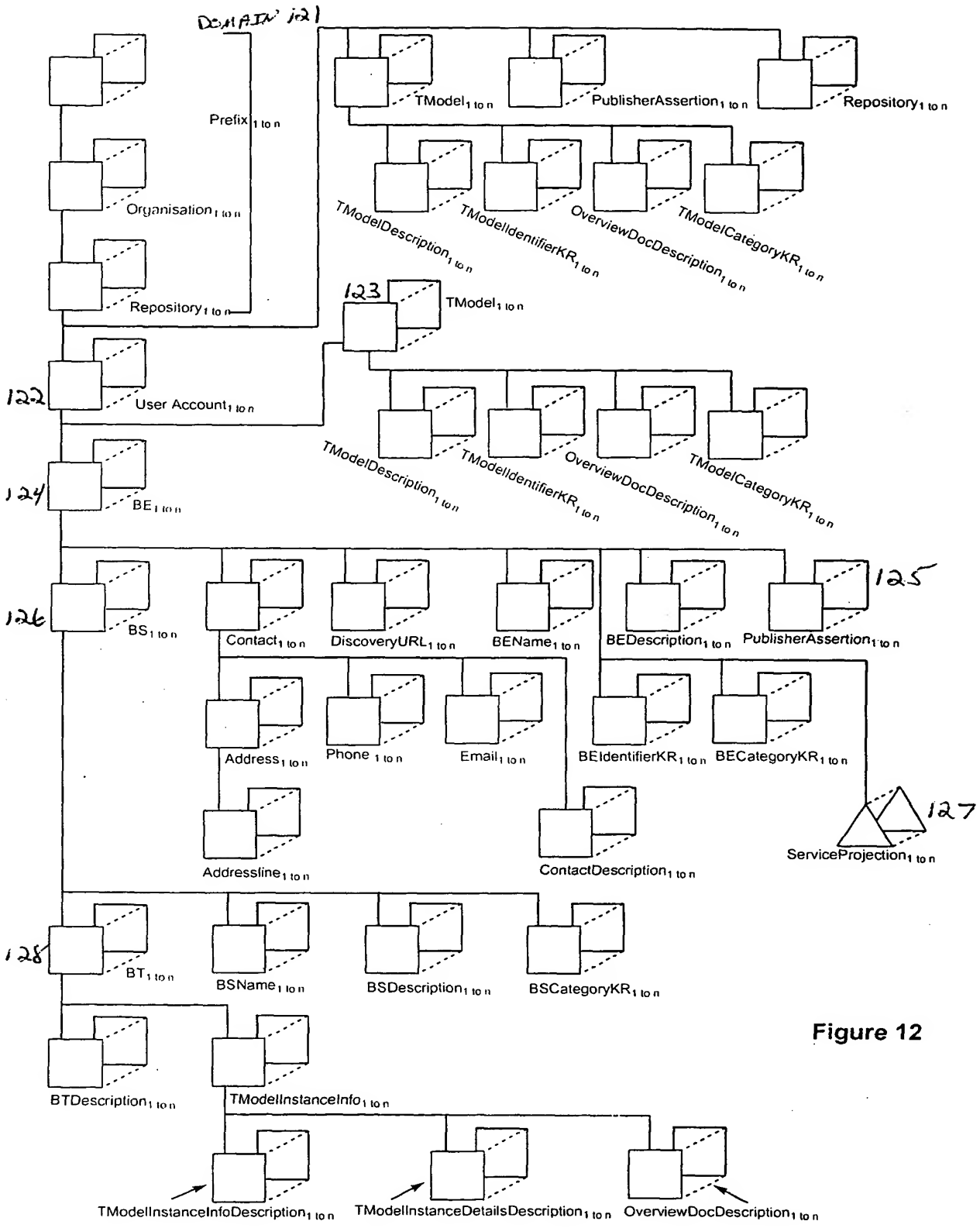

DOMAIN 121
Prefix 1 to n
Organisation 1 to n
Repository 1 to n
TModel 1 to n
PublisherAssertion 1 to n
Repository 1 to n
TModelDescription 1 to n
TModelIdentifierKR 1 to n
OverviewDocDescription 1 to n
TModelCategoryKR 1 to n
123
TModel 1 to n
122
User Account 1 to n
TModelDescription 1 to n
TModelIdentifierKR 1 to n
OverviewDocDescription 1 to n
TModelCategoryKR 1 to n
124
BE 1 to n
126
BS 1 to n
Contact 1 to n
DiscoveryURL 1 to n
BEName 1 to n
BEDescription 1 to n
PublisherAssertion 1 to n
125
Address 1 to n
Phone 1 to n
Email 1 to n
BEIdentifierKR 1 to n
BECategoryKR 1 to n
Addressline 1 to n
ContactDescription 1 to n
127
ServiceProjection 1 to n
128
BT 1 to n
BSName 1 to n
BSDescription 1 to n
BSCategoryKR 1 to n
BTDescription 1 to n
TModelInstanceInfo 1 to n
TModelInstanceInfoDescription 1 to n
TModelInstanceDetailsDescription 1 to n
OverviewDocDescription 1 to n

Figure 12

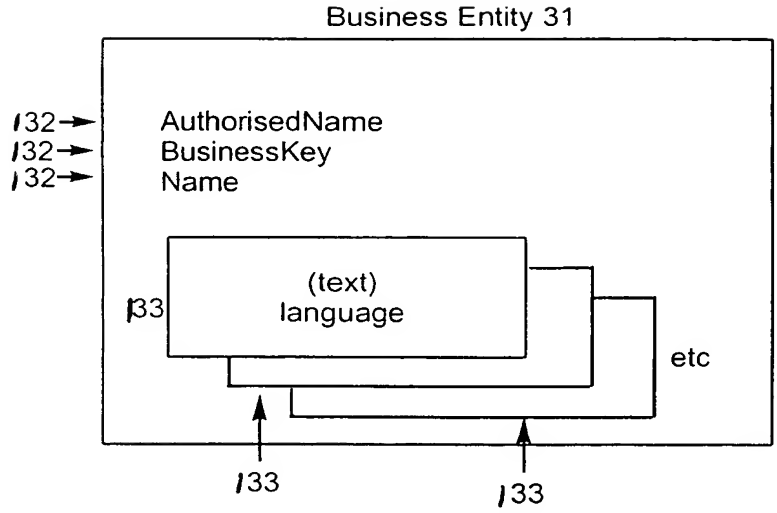


Figure 13
prior art

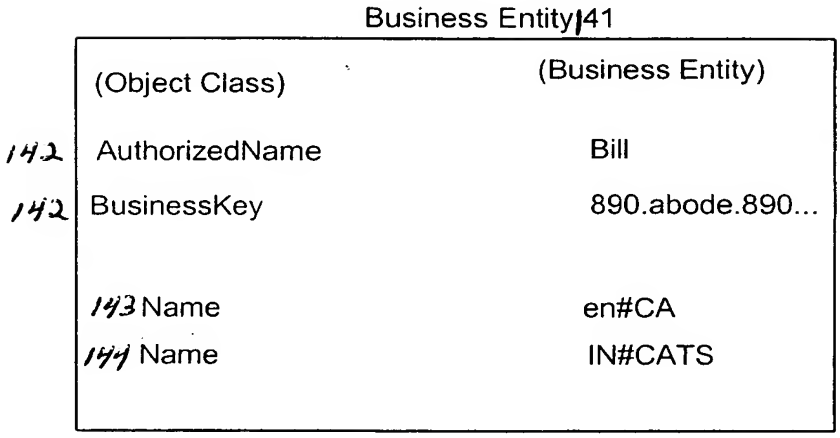


Figure 14
prior art

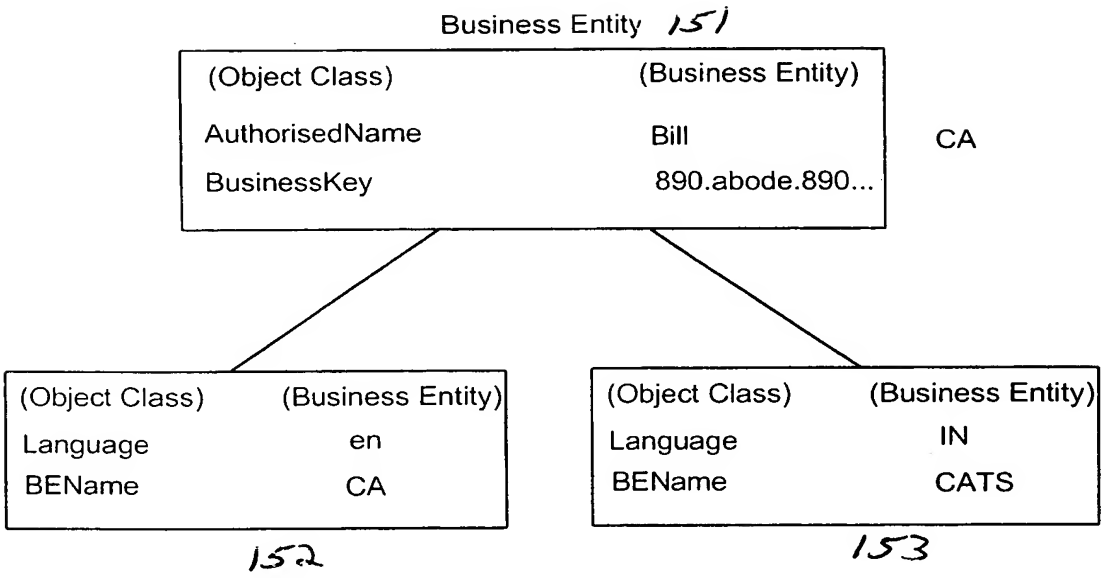


Figure 15

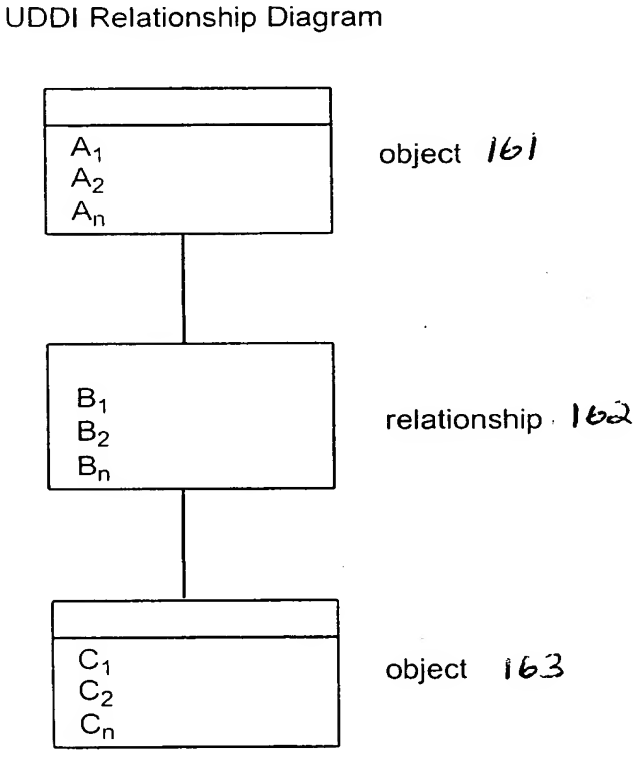


Figure 16

Directory Hierarchy Diagram

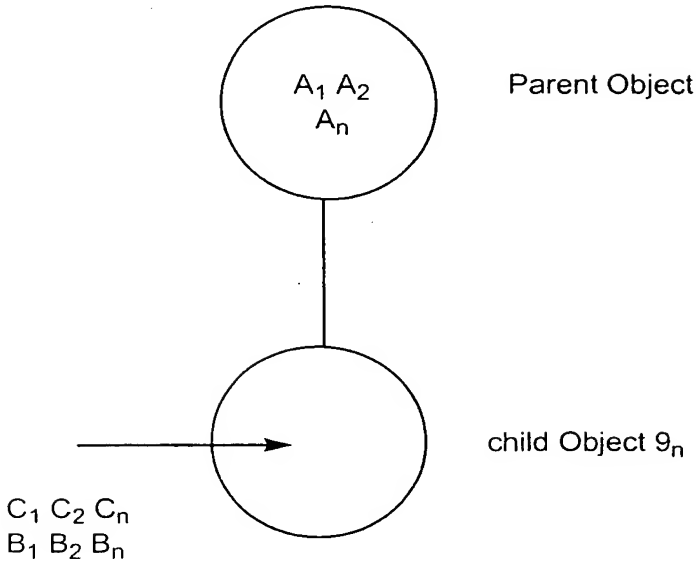
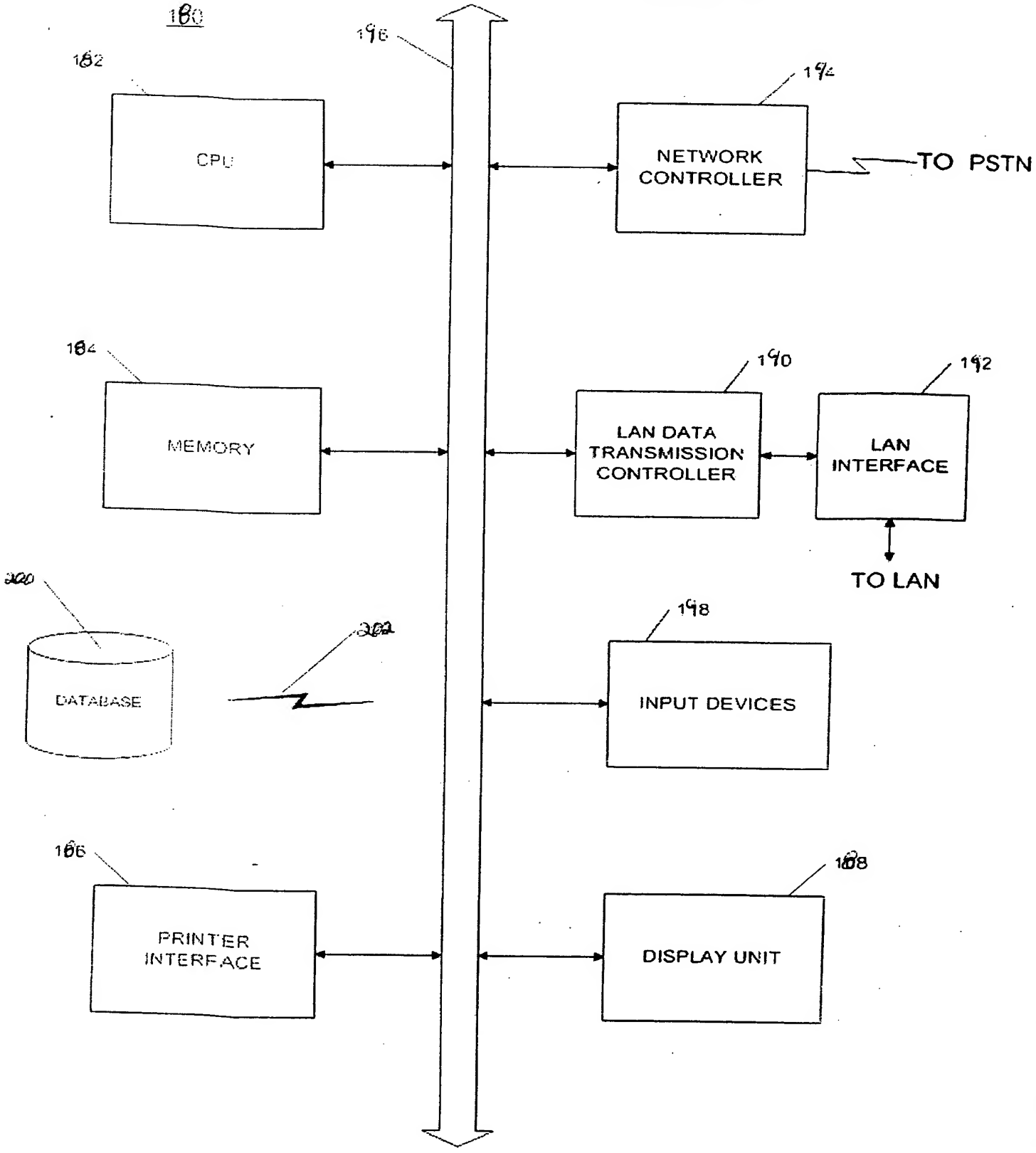


Figure 17

FIGURE 1B


180
196
182
CPU
194
NETWORK CONTROLLER
TO PSTN
184
MEMORY
190
LAN DATA TRANSMISSION CONTROLLER
192
LAN INTERFACE
TO LAN
200
DATABASE
202
198
INPUT DEVICES
186
PRINTER INTERFACE
188
DISPLAY UNIT